

MOLDOVAN, E., ing.

Achievements of innovators of the Complex of Wood Industrialization,  
Raghin. In: Iannului 14 no.6:231-236 Je '63.

MOLDOVAN, Estera, ing.

Possibilities of reducing cost price of casting in bakelite barkings.  
Metalurgia constr mas 14 no.2:135-136 F '62

1. Uzina "Steagul Rosu," Brasov.

MOLDOVAN, E.

About some theorems of average. p. 7. ACADEMIA REPUBLICH  
POPULARE ROMANE Rumania Vol. 6, No. 1, Jan 1955

East European Accessions List (EEAL) Library of Congress  
Vol. 5, No. 11, August 1956

Generalization of the Notion of Convexity

Moldovan, Elena. Sur une généralisation de la notion de convexité. Acad. R. P. Roumaine. Fil. Cluj. Stud. Cerc. Sti. Ser. I. 6 (1955), no. 3-4, 65-73. (Romanian. Russian and French summaries)

2  
1-F/W

In defining generalized convex functions, one considers a basic  $n$ -parameter family  $\mathcal{F}$  of real-valued functions  $y = F(x; a_1, \dots, a_n)$  defined and continuous on an interval  $a \leq x \leq b$  and such that, for any set of  $n$  distinct points  $x_1, \dots, x_n$  of  $[a, b]$  and any set of  $n$  real values  $y_1, \dots, y_n$ , the system of equations  $F(x_i; a_1, \dots, a_n) = y_i, i = 1, \dots, n$ , has exactly one solution in  $\mathcal{F}$ . The author denotes the solution by  $L(x_1, \dots, x_n; y|x)$  and establishes the following concerning the family  $\mathcal{F}$ . Let  $E_m$  be a set of  $m$  distinct points  $x_j$  of the interval  $[a, b], a \leq x_1 < \dots < x_m \leq b, m \geq n+1$ , let  $Y$  be an arbitrary set of real values  $y_1, \dots, y_m$ , let the indices  $i_1, \dots, i_n$  satisfy  $1 \leq i_1 < \dots < i_n \leq m$ , and let  $x_0$  satisfy  $x_{i_n} < x_0 \leq b$ ; then the value  $L(x_{i_1}, x_{i_2}, \dots, x_{i_n}; y|x_0)$  satisfies the inequalities

$$\min_{j=i_1, i_1+1, \dots, i_n-n+1} L(x_j, x_{j+1}, \dots, x_{j+n-1}; y|x_0) \leq L(x_{i_1}, x_{i_2}, \dots, x_{i_n}; y|x_0) \leq \max_{j=i_1, i_1+1, \dots, i_n-n+1} L(x_j, x_{j+1}, \dots, x_{j+n-1}; y|x_0).$$

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1/2

Moldovan, Elena

The function  $f(x)$ , defined on a set  $E_m$  of  $m$  distinct points  $x_j$  of interval  $[a, b]$ ,  $a \leq x_1 < \dots < x_m \leq b$ , is said to be convex (nonconcave, nonconvex, concave) on  $E_m$  relative to the family  $\mathcal{F}$  provided that for every set of  $n+1$  points  $x_{i_1} < \dots < x_{i_{n+1}}$  of  $E_m$  we have

$$L(x_{i_1}, \dots, x_{i_n} | x_{i_{n+1}}) < (\leq, \geq, >) f(x_{i_{n+1}}).$$

It follows from the result of the preceding paragraph that the function  $f(x)$  is convex (nonconcave, nonconvex, concave) relative to the family  $\mathcal{F}$  on  $E_m$  if and only if  $f(x)$  is convex (nonconcave, nonconvex, concave) relative to the family  $\mathcal{F}$  on every set of  $n+1$  consecutive points  $x_j, \dots, x_{j+n}$ ,  $j=1, \dots, m-n$ , of the set  $E_m$ . Applications are given to the discussion of the continuity of generalized convex functions.

E. F. Beckenbach (Los Angeles, Calif.)

2/2

7  
2

MOLDOVAN, E., AND OTHERS.

Biology of steppe cock-chaffer Anoxia villosa Fabr., and the fight against it. p. 817.

COMUNICARILE. Bucuresti, Rumania, Vol. 8, no. 8, Aug. 1958

Monthly list of European Accessions (EEAI) LC, Vol. 8, no. 8, Aug. 1959

Uncl.

MOLDOVAN, Elena

A notion of convex function in relation to a set of interpolative functions. Studii cerc mat Cluj 9 no.1/4:161-224 '58. (EAI 10:5)

1. Institutul de Calcul, Academia R.P.R., Filiala Cluj; Comitetul de redactie, Studii si cercetari de matematica (Academia R.P.R., Filiala Cluj, Institutul de calcul).

(Interpolation) (Differential equations)  
(Series) (Aggregates)

MOLDOVAN, Elena, conf.

Interpolation in abstract spaces. Studii cer mat 10 no.2:329-335  
'59. (EEAI 10:9/10)

1. Membru al Comitetului de redactie, "Studii si cercetari de mate-  
matica" (Filiala Cluj).

(Interpolation) (Spaces, Generalized)  
(Functional analysis)  
(Approximate computation)

MOLDOVAN, Emil, ing.

From our experience in reconditioning parts. Mec electrif  
agric 9 no.5:46-50 '64.

1. Director, Timișara Repair Station.

Country : RUMANIA R  
Category= : Diseases of Farm Animals. Diseases Caused by  
Bacteria and Fungi  
Abs. Jour. : Ref Zhur-Biol, No 23, 1958, No 105804  
Author : Grigoriu, N.; Tacu, D.; Moldovan, G.  
Institut. : Pasteur Institute of Sera and Vaccines, Bucharest  
Title : Polyvalent Vaccine Against Hemorrhagic Septice-  
mia of Swine with the Addition of Aluminum  
Hydroxide  
Orig. Pub. : Anuarul Inst. seruri si vacc. Pasteur Bucuresti,  
1957, 2, 415-424  
Abstract : No abstract.

Card: 1/1

R - 3

MOLDOVAN, Gligor

An operation of numerical integration of a differential  
equation of the first order. Gaz mat fiz 69 no. 5:161-166  
My '64.

TOMESCU, V.; PASCU, L.; SURDAN, G.; POPA, M.; DOHOTARU, V.; ELEFTERESCU, A.;  
GHEORGHIU, I.; EUSTAFIEVICI, O.; MOLDOVAN, Gh.; CONSTANTINESCU, Cr.;  
DAN, F.; IFTIMOVICI, R.; ANASTASIU, I., asistent tehnic; FLOREA, A.,  
asistent tehnic

On the immunity following the antiaphthous vaccination. Studii cerc  
inframicrobiol Special issue-supplement to 12:385-397 '61.

1. Institutul de inframicrobiologie al Academiei R.P.R., Laboratorul  
de viroze animale si Institutul de seruri si vaccinuri Pasteur,  
Bucuresti. 2. Membru al Comitetului de redactie, "Studii si cercetari  
de inframicrobiologie" (for Tomescu).

(FOOT-AND-MOUTH DISEASE) (IMMUNITY)

MOLDOVAN. Gmila.

Trade union work at Soviet factories as seen by a Hungarian.  
Munka 13 no.2:33 F '63.

1. Lenin Kohaszati Művek partbizottsaganak munkatarsa.

COSTACHEL, O.,; GRIGORESCU, St.,; MOLDOVAN, I.,; LUPOVICI, J.,; SPIRIDON,  
H.,; TRANCU, A.,; COCIASU, Fl.

Protective action of sleep against radiobiological effects. Bul.  
stiint., sect. med. 7 no.3:713-737 July-Sept 55

(RADIATIONS, inj. eff. protective eff. of sleep, in rats)

(SLEEP, effects,

protection against radiation inj., in rats)

(HYPNOTICS AND SEDATIVES, effects

chloralose, protective eff. against radiation inj., in rats)

(BARBITURATES, effects

amobarbital, protective eff. against radiation inj., in  
rats)

MOLDOVAN, ILONA

MOLNAR, Lajos; SCHOLZ, Magda; MOLDOVAN, Ilona

New staining method for the demonstration of lipofuscin. Kiserletes orvostud. 9 no.3:332-335 July 57.

L. Budapesti Orvostudományi Egyetem II. sz. Kóronctani Intézete.  
(PIGMENTS, determ.

lipofuscin in histol. prep., staining by silver impregnation (Hun))

(STAINS AND STAINING

silver impregnation in lipofuscin determ. in histol. prep. (Hun))

RUMANIA

UDROIU, Al., Col, Dr, ~~MOLDOVAN, I.~~, Maj, Dr, POPESCU, Val.,  
Lt-Col, Dr, RATIU, St., Maj, Dr, and GORSCOVAZ, V., Maj, Dr  
[affiliation not given]

"Considerations on the Diagnosis and the Necessity of Surgical  
Intervention in the Case of Foreign Objects in the Digestive  
Tube."

Bucharest, Revista Sanitara Militara, Vol 59, No 3, May-Jun 63,  
pp 461-465.

Abstract: Contains a brief review of the literature on the sub-  
ject and illustrates the techniques of diagnosis and surgery  
used at the Military Hospital of Timisoara by describing 10 cli-  
nical cases involving the swallowing of foreign objects with  
subsequent penetration into the sub-diaphragmatic part of the  
digestive tract.

Includes 12 figures, and 7 Rumanian references.

1/1

MOEDOVAN, I., lector; MOLDOVAN, G., prof. (Baid Mare)

Some itineraries of botanical excursions in Maramures.  
Natura Biologie 16 no.3:54-59 My-Je '64.

MOLDOVAN, I.

Increasing work productivity and socialist industrial reserves, fundamental task  
of engineers and technicians in enterprises. p. 215.

Vol. 6, no. 7, July 1955  
INDUSTRIA TEXTILA  
Bucuresti, Rumania

Source: East European Accession List. Library of Congress  
Vol. 5, No. 8, August 1956

MOLDOVAN, Ion, ing.

Contribution of the Scientific Association of Engineers and Technicians of Rumania for the realization of the production plan, increase of labor productivity, reduction of cost, and introduction of new technics. Industria usoara 3 no.9:345-346 S '56.

MOLDOVAN, I.

MOLDOVAN, I. Contribution of the Scientific Association of Engineers and Technicians to realizing the production plan, increasing the labor productivity, reducing the prime cost, and introducing new technics. P. 393.

Vol. 7, No. 9, September 1956

INDUSTRIA TEXTILA  
TECHNOLOGY  
Bucaresti

So: East European Accession, Vol 6, No. 3, March 1957

MOLDOVAN, I.

"Prospects for the development of light industry in the light of achievements in 1956."

p. 49 (Industria Usoara) Vol. 4, no. 2, Feb. 1957  
Bucharest, Rumania

SO: Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 4,  
April 1958

MOLDOVAN, I.

Fulfillment of assignments of the plan for 1956 in light industry and its assignments for 1957. p.3.  
(INDUSTRIA TEXTILA. Vol. 8, no. 1, Jan. 1957. Rumania)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 7, July 1957. Uncl.

Page 79

MOLDOVAN, I.

Development of the USSR national economy in the 1959-1965 period. p. 652.

REVISTA DE CHIMIE. (Ministerul Industriei Petrolului si Chimiei si Asociatia Stiintifica a Inginerilor si Tehnicienilor din Romania) Bucuresti, Rumania. Vol. 9, no. 12, Dec. 1958.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, no. 7, July, 1959.

Uncl.

MOLDOVAN I.

Chemical industry of Rumania, and possibilities of its development. p. 185.

REVISTA DE CHIMIE. Bucuresti, Rumania. Vol. 10, no. 4, Apr. 1959.

MONTHLY List of East European Accessions. (EEAI), LC. Vol. 8, no. 9, <sup>Sept.</sup> 1959.  
Uncl.

MOLDOVAN, Ion, ing.

Tasks of the leather-rubber, glass, and household goods industries  
in 1962. Industria uscara 9 no.4:121-124 Ap '62.

MOLDOVAN, Ion, ing.

Completion of the socialist transformation of agriculture  
in Rumania as a support in increasing the resources of raw  
materials for the light industry. Industria uscara 9  
no.8:293-295 Ag '62.

MOLDOVAN, Ion, ing.

The Romanian State Plan for 1963 and the tasks which lie ahead  
for the leather and shoes industries, glass and ceramics  
industries, and the home goods industries. Industria usoara  
9 no.12:303-305 D '62.

MOLDOVAN, Ion, ing.

New forms of wage payment in light industry. Industria uscare  
IO no.4:133-135 Ap '63.

IONESCU, Muscel, I., prof.; COTIGARU, B., lector; KEIMER, I., lector;  
REBEDEA, C., lector; MOLDOVAN, I., ing.; BORSATTI, M.;  
IONESCU, Muscel-Ianculescu, M., ing.; GREAVU, V., ing.

Importance of the economist expert in the science of  
commodities in the improvement and quality control of  
products. Industria usoara 10 no.8:356-360 Ag '63.

OLTEANU, Maria; MIRA, Ecaterina; MOLDOVAN, I.

Separation of common metals by means of naphthenic acids from the solutions obtained by lye-washing of pyrite ashes. Rev chimie Min petr 14 no.6:318-323 Je '63.

MOLDOVAN, I.; MAN, Marinela

A new method of preparing superphosphoric acid. Rev chimie  
Min petr 14 no.8:437-443 Ag '63.

MOLDOVAN, I., ing.; CATULESCU, A., ing.

Problems of the high evaluation of raw material in the cotton  
industry. Ind text Rum 14 no.11:497-500 N°63

MOLDOVAN, I.; MAN, Marinela; ZAHARIA, Monica

Reaction of superphosphoric acid with some mineral  
salts. Pt.1.Rev chimie Min petr 15 no.2:76-79 F '64.

DATCU, Nicolae; MOLDOVAN, Ilie; RADU, Ion; ILIE, Ion; POPESCU, Nicolae;  
COVAR, G.A., economist

From letters received from voluntary newspapermen. Constr  
Buc 16 no.742:2 28 March 1964.

MOLDOVAN, I.; SANDULESCU, D.; IONESCU, Al.Gh.; RADOVICI, C.

High-purity alumina for catalysts. Rev chimie Min petr 15 no.11:  
665-667 N '64.

L 43214-65 EWT(1)/T/EWP(t)/EWP(b)/EWA(h) Pz-6/Pab LJP(c) JD/AT

ACCESSION NR: AP4043683

R/0003/64/015/008/0510/0513

25  
B

AUTHOR: Moldovan, I.; Moscovici, Ana; Teodorescu, C.; Cuciu, V.

TITLE: A semi-industrial installation for the manufacture of high-purity germanium

SOURCE: Revista de chimie, v. 15, no. 8, 1964, 510-513

TOPIC TAGS: germanium refining, germanium purification, germanium semiconductor, germanium tetrachloride, germanium dioxide, zone melting

21

ABSTRACT: A procedure is described for obtaining the high-purity germanium necessary in the manufacture of semiconductors for the electronics industry. The material is mineral germanium concentrate or germanium wastage from the following steps: A) The

starting material is mineral germanium concentrate or germanium waste from the manufacture of semiconductors. The process involves the following steps: A) The mineral concentrates are treated with HCl and the waste with chlorine gas. Germanium tetrachloride is obtained in both cases, according to the reactions:  $GeO_2 + 4HCl = GeCl_4 + 2H_2O + 42.4 \text{ Kcal}$ , and  $Ge + 2Cl_2 = GeCl_4 + 130 \text{ Kcal}$ . The germanium tetrachloride is then distilled, starting at 83C, and collected as a transparent oily liquid (density = 1.88). B) Germanium tetrachloride is purified by fractional distillation in a column of quartz glass and separated from most of the metal chlorides having a higher or lower boiling point ( $FeCl_4$ ;  $AlCl_3$ ;  $CuCl_2$ ;  $MgCl_2$ ;

Card 1/2

L 49214-65

ACCESS DN NR: AP4045683

SbCl<sub>3</sub>; BCl<sub>3</sub>; AsCl<sub>3</sub>; SiCl<sub>4</sub>). C) The pure germanium tetrachloride (1-10 p.p.m. impurities) is then hydrolyzed in deionized water, yielding germanium dioxide according to the reaction:  $GeCl_4 + 2H_2O \rightleftharpoons GeO_2 + 4HCl$ . D) Germanium dioxide is dried at 120C and subsequently calcined in an autoclave at 250 C. E) The germanium dioxide is then reduced with hydrogen at 650C. The black powder is melted at 1000 C, resulting in metallic germanium. C) Finally, 1 p.p.m. impurities.

Product: ~~High purity selenium~~  
This high purity selenium is  
Orig. art. has: 6 figures, 4 tables and 2 formulas  
ASSOCIATION: None  
SUBMITTED: 00  
NO REF SOV: 000  
ENCL: 00  
OTHER: 000  
SUB CODE: IC, MI  
Card *AN*  
*7/2*

L 61253-65 EFP(c)/EFP(j)/EFP(b)/EFP(e) IJP(c) RM/JD

RU/0003/01/015/011/0665/0667

ACCESSION NR: AP5027459

AUTHOR: Moldovan, I.; Sandulescu, D.; Ionescu, Al. Gh.; Radovici, C.

27  
B

TITLE: High-purity alumina for catalysts

SOURCE: Revista de chimie, v. 15, no. 11, 1964, 665-667

TOPIC TAGS: catalysis, industrial catalyst, alumina

ABSTRACT: [Authors' English summary modified]: The authors describe the preparation of high-purity alumina by using aluminum isopropoxide as an intermediate. The raw materials

The technological scheme is quite simple and economical.

Orig. Art. Incl. 2 figures.

ASSOCIATION: Institutul de cercetari chimice (Institute of Chemical Research)

SUBMITTED: COApr64

ENCL: 00

SUB CODE: IG, GC

WH REF SOV: 000

OTHER: 006

JPRS

1/1 K

64570-65

RU/0012/64/000/006/1003/1008

ACCESSION NR: AP5023480

AUTHOR: Dobrescu, D. (Colonel, Doctor); Udreiu, A. (Colonel, Doctor); Moldovan, I. (Lieutenant Colonel, Doctor)

TITLE: Pathogenic aspects of some inflammatory tumors of the digestive tract

SOURCE: Revista sanitara militara, no. 6, 1964, 1003-1008

TOPIC TAGS: digestive system disease, neoplasm, gastroenterology, digestive system

ABSTRACT: The pseudotumorous aspects of bacillary lesions or of uncharacteristic stomach and intestine inflammations pose difficult diagnosis problems. The difficulties stem mostly from the modifications in the reactivity of the body and in that of microbial agents brought about by antibiotics, which blur the clinical and radiological differences between cancer, tuberculosis, and granulo-like inflammations. There is a logi-  
cally connecting these morbid aspects to cancer.

...cal tendency of attributing these morbid aspects to cancer.

Card 1/2

L 64570-65  
ACCESSION NR: APS023480

Exploratory laparotomy is a necessary approach in many cases and helps establish an early diagnosis. The risks involved in laparotomy are negligible under the conditions of modern surgery. Orig. art. has: 5 figures.

EXEMPTED: 00

NR REF SOV: 000

ENCL: 00

OTHER: 009

SUB CODE: 15

JPRS

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Card 2/2

Anesthesiology

RUMANIA

POPESCU, V., Colonel, Medical Corps; BEJAN, L., Physician Emeritus (medic emerit); CONSTANTINESCU, H., Major, Medical Corps; MOLDOVAN, I., Lieutenant-Colonel, Medical Corps; and STOICA, Gh., Ing.

"A Portable Apparatus for Anesthesia and Reanimation"

Bucharest, Revista Sanitara Militara, Vol 16, Special No., 1965; pp 68-73

Abstract: Description, photograph and schematic diagram of a portable anesthesia device, permitting closed, semi-closed or semi-open circuit for anesthetic intra-oral administration. Weight of 24 only kilograms permits easy transportation of apparatus.

1/1

L 31445-66 EWP(t)/ETI IJP(c) JD

SOURCE CODE: RU/0003/65/016/002/0081/0083

ACC NR: AP6023174

AUTHOR: Moldovan, I.; Man, Marinela; Neciu, Ariadna

07  
B

ORG: none

TITLE: Some considerations regarding the preparation of ammonium polyphosphate type fertilizers from superphosphoric acid

SOURCE: Revista de chimie, v. 16, no. 2, 1965, 81-83

TOPIC TAGS: phosphate, solvent extraction, ammonia, ammonium salt

ABSTRACT: The authors studied the preparation under laboratory conditions of ammonium polyphosphates from superphosphate, by solvent extraction, and gaseous ammonia. Several types of polyphosphates with active content ranging from 73.8 to 81.5 percent (depending on the P<sub>2</sub>O<sub>5</sub> content of the superphosphoric acid and the degree of ammonia-tion) were prepared. The product obtained from the acid containing 72 percent P<sub>2</sub>O<sub>5</sub> could be stored satisfactorily at a relative humidity of 85 percent. Orig. art. has: 2 figures and 3 tables. [Based on authors' Eng. abst.] [JPRS]

SUB CODE: 07 / SUM DATE: none / ORIG REF: 001 / SOV REF: 002  
OTH REF: 005

Card 1/1 ST

0915

1385

L 42240-66 EWP(t)/ETI IJP(c) JD/JG SOURCE CODE: RUJ/0003/66/017/001/0020/0027

ACC NR: AP6031569

22  
13

AUTHOR: Olteanu, Maria; Moldovan, I.

ORG: none

TITLE: New methods for the processing of the solutions obtained from lyeing pyrite ashes. Extraction of metals from solutions with the sodium salts of carboxylic acids in non-polar solvents

SOURCE: Revista de chimie, v. 17, no. 1, 1966, 20-27

TOPIC TAGS: metal extraction, solvent extraction, pyrite

ABSTRACT: The paper describes the separation of the metals in the solution resulting from lyeing pyrite ashes by means of liquid-liquid extraction with sodium salts of carboxylic acids in non-aqueous solution. 94 to 98 percent of the trivalent iron can be extracted with the sodium salt of C<sub>5</sub>-C<sub>9</sub> fatty acids in kerosene; 94 percent of the copper and 93-98 percent of the zinc are extracted with sodium naphthenate in kerosene. The method, which has been tested on industrial solutions, is suitable for solutions with either high or low metal contents. Orig. art. has: 2 figures and 3 tables. [Based on authors' Eng. abst.] [JPRS: 36,002]

SUB CODE: 07, 11 / SUBM DATE: none / ORIG REF: 001 / SOV REF: 002  
OTH REF: 004

Card 1/1 UDC: 661.242.8:669.11.054.8:669.33.054.8:669.538.054.8  
0919 0254

RUMANIA

GORSCOVAZ, V., Dr, Lt-Col, MOLDOVAN, I., Dr, Lt-Col, and POPESCU, V., Dr, Lt-Col [affiliation not given]

"Concerning Malignant Tumors in Young People."

Bucharest, Revista Sanitara Militara, Vol 17, No 1, Jan-Feb 66, pp 93-97.

Abstract: The authors discuss 29 cases of malignant tumors in young persons between 19 and 34 years old. The cases were analyzed statistically and the principal types of localization and treatment are reported.

Includes 3 tables and 4 Rumanian references. -- Manuscript submitted 8 February 1965.

I. 38285-66

EWP(j) RM

SOURCE CODE: RU/0003/66/017/002/0069/0072

ACC NR: AF6029164

AUTHOR: Moldovan, I.; Gruder, Galia

ORG: none

TITLE: New technological process for the preparation of high-quality TiO sub 2 pigment

SOURCE: Revista de chimie, v. 17, no. 2, 1966, 69-72

TOPIC TAGS: titanium dioxide, pigment, chemical production

ABSTRACT:

The authors describe a process for the preparation of TiO<sub>2</sub> by chlorination which permits the recycling of the secondary products in a continuous process and eliminates the difficulties associated with the handling of liquid TiCl<sub>4</sub>. The process consists of chlorination of the titaiferous raw materials, separation of the solid suspensions and condensable chlorides, absorption of gaseous TiCl<sub>4</sub> in HCl or H<sub>2</sub>SO<sub>4</sub> solution, decomposition of the K<sub>2</sub>TiCl<sub>6</sub> precipitated from the solution, and oxidation to TiO<sub>2</sub>.  
Orig. art. has: 3 figures. [Based on authors' Eng. abst.] [JPRS: 36,556]

SUB CODE: 07, 11 / SUBM DATE: none / ORIG REF: 002 / OTH REF: 010

UDC: 661.882.2

Card 1/1 JS

0917 2731

MOLDOVAN, I., ing.; MACUREANU, C.

Wage tariff indicators for labor qualifications up to the  
present requirements of qualifications. Ind text Rum 15 no.  
6:435-436 Ag '64

1. Directorate of Economic Planning, Ministry of Light Industry.

MOLDOVAN, Ion

With the aid of the electronic computer. Constr Buc 16 no.772:1  
24 O '64

I. Chief Engineer, Office of Systematization, Architecture and  
Construction Projects, Banat.

MOISEOVAN, Ion, ing.

Tasks of the leather, shoe, rubber, glass, fine ceramics,  
home consumption goods, and spare parts industries. Industria  
uscara 11 no.1:1-2 Ja '64.

MOLDOVAN, J.

A short survey of the evolution of the Rumanian textile industry. p. 254.

MAGYAR TEXTILTECHNIKA. (Textilipari Muszake es Tudomanyos Egyesulet)  
Budapest, Hungary, Vol. 11, no. 6, June 1959.

Monthly List of East European Accessions (EEAI), LC, Vol. 8, No. 8,  
August 1959.  
Uncla.

MOLDOVAN, Kristof; RAUM, Frigyes

Design of the No. 7 automobile road and its geodetic work.  
Geod kart 15 no.5:368-370 '63.

I. "Geodezia es Kartografia" szerkeszto bizottsagi tagja.

L 1305-66 BNA(j)/T/BNA(b)-2 JK

ACC NR: AP600573A

SOURCE CODE: RU/0023/65/010/001/0083/0083

AUTHOR: Totescu, E. (Doctor); Valeanu, I. (Doctor); Moldovan, Lucia (Technician)

ORG: Hygiene Laboratory ISIPM, Sighisoara (Laboratorul de igiena ISIPM)

TITLE: Shigella bacteria isolated in 1963 in Sighisoara Region

SOURCE: Microbiologia, parazitologia, epidemiologia, v. 10, no. 1, 1965, 83

TOPIC TAGS: bacteria, antibiotic, intestinal disease, drug treatment

ABSTRACT: The authors isolated 77 strains of shigella from 154 dysentery cases occurred in 1963 in Sighisoara Region of which 48 were S. flexneri, 18 S. sachs, 8 S. sonnei and 3 S. boydi. They proved sensitive to aureomycin, chloramphenicol, erythromycin, neomycin, polymixin B, streptomycin, terramycin, tetracyne; and not sensitive to penicillin, salvoseptil and superseptil. Standard treatment in the raion consisted of 4 grams of chloramphenicol divided over 24 hours.

[JPRS]

SUB CODE: 06 / SUBM DATE: 13May64

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Card 1/1

UDG: 616.935:576.851.49.093.1

RUMANIA

VINTAN, A., Dr, ~~MOLDOVAN, M., Dr.~~ and PAVEL, Maria, Dr, of the Faculty of Veterinary Medicine (Facultatea de Medicina Veterinara), Timisoara.

"Uterus Dynamics in Some Ovary Infections in Cows."

Bucharest, Revista de Zootehnie si Medicina Veterinara, Vol 13, No 8, Aug 63, pp 46-58.

Abstract [Authors' English summary modified]: Uterus dynamics show some characteristic aspects associated with diseases of the ovaries. In the case of old corpus luteus (so-called persistent corpus luteus) the curve shows small amplitude modulations with rounded tops and bottoms. Lutein cysts cause the curve to become a straight line, with some very small modulations caused primarily by abdominal organs near the uterus. Large isolated folliculin cysts cause a curve with few even modulations having pointed peaks and rounded bottoms. Microcysts result in numerous modulations with pointed peaks and bottoms accompanied by large variations in the tonus of the uterus muscle.

Includes 10 figures and 11 Rumanian references.

MOLDOVAN, M.

A new section of azo-dyestuffs at the Codlea Colorom Plant.  
Rev chimie Min petr 15 no. 1: 7-11 Ja '64.

MOLDOVAN, M.; LABIONENKO, M., mladshiy nauchnyy sotrudnik; PARUTA, T.

Treatment of pea seeds with hexachlorocyclohexane dust is not efficient. Zashch.rast.ot vred.i bol. 10 no.4:25-26 '65.

(MIRA 1816)

1. Zaveduyushchiy ot delen zashchity rasteniy Moldavskogo Instituta selektsii, semenovodstva i agrotekhniki polevykh kul'tur (for Moldovan). 2. Moldavskiy Institut selektsii, semenovodstva i agrotekhniki polevykh kul'tur (for Labionenko). 3. Starshiy laborant Moldavskogo Instituta selektsii, semenovodstva i agrotekhniki polevykh kul'tur (for Paruta).

L 2382-66 EWT(1)/EWA(1)/EWA(b)-2

JK

ACCESSION NR: AP5020152

UR/0350/65/000/008/0028/0029

635.65:632.3(478)

AUTHOR: Moldovan, M. (Candidate of biological sciences, Head of plant protection department)

TITLE: Virus diseases of bean seeds in Moldavia

SOURCE: Zernobobovyye kul'tury, no. 8, 1965, 28-29

TOPIC TAGS: horticulture, plant disease, plant disease control, microorganism contamination, virus

ABSTRACT: Productivity of bean crops in Moldavia has been considerably reduced by seed virus diseases. In 1963-64 the Moldavian Scientific Research Institute of Selection, Seed Growing, and Agricultural Technology investigated several of the more widespread virus diseases: bean mosaic, fodder bean mosaic, and soy bean mosaic. Bean mosaic was found in 15 to 70% of the bean crops studied in the northern part of the Republic, with certain species more resistant than others. In most cases, the bean mosaic virus is transmitted through the seed and the extent of its spreading depends largely on the date of sowing. Electron microscopic examinations have established that bean mosaic is caused by a threadlike form virus. On the basis of its characteristics and circle of hosts, the

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ACCESSION NR: AP5020352

2

disease is classified as common bean mosaic. Soy bean mosaic is widespread in Moldavia and symptoms of the disease depend mostly on the soy bean strain. Soy bean mosaic is largely transmitted by seed, and during the vegetation period the disease is transmitted by a spider mite. Fodder bean mosaic often affects 60 to 70% of the crops and generally is not discovered before black rot appears on the plant. Electron microscopic examinations have disclosed that fodder bean mosaic is caused by two types of threadlike virus particles differing in length, thickness and shape. Apparently, each of the two particles is capable of producing fodder bean mosaic by itself as well as together. Recommendations for prevention of bean seed virus diseases include: destruction of diseased plants 10 to 15 days before flowering, use of chemical agents to fight rot and spider mites, and development of disease resistant strains. Orig. art. has: 4 figures and 1 table.

ASSOCIATION: Moldavskiy nauchno-issledovatel'skiy institut selektsii, semenovodstva, i agrotekhniki polevykh kul'tur (Moldavian Scientific Research Institute of Selection, Seed Growing, and Agricultural Technology of Field Crops)

Card 2/3

L 2382-66

ACCESSION NR: AP5020352

SUB CODE: IS

SUBMITTED: 00

ENCL: 00

NR REF SOV: 000

OTHER: 000

BVK  
Card 3/3

MOLDOVAN, N.; WEINBACH, R.; STERESCO, P.; SFERDIAN, O.; GOLDIS, E.

The agglutination of tanned formaldehyde-treated human erythrocytes by human sera (TFE agglutination). III. Value of TFE test in the diagnosis of viral hepatitis (VH). Arch. Roum. path. exp. microbiol. 20 no.3:517-522 S '61.

1. Travail de l'Hopital No. 2 de Maladies contagieuses Bucarest et de l'Institut "Dr. I. Cantacuzino".  
(HEPATITIS, INFECTIOUS diagnosis) (HEMAGGLUTINATION)

CAVADIA, I.; MEILTZ, G.; MOLDOVAN, N.; VAIDA, D.; ZAMFIRESCU, I.

Programming with the aid of calculation logical schemas.  
Gaz mat fiz 14 no.7:337-350 JI '62.

1. Institutul de Fizica Atomica.

MOLDOVAN, P., ing.

Machina operators' tasks, following the Plenary Session of the Higher Council of Agriculture, August 12-14. Vec electrif agric 8 no.5:1-6 S-0 '63.

1. Vice President of the Higher Council of Agriculture, Head of the Mechanization Section.

MOLDOVAN, Petre, ing.

Results obtained in the field of mechanization during the  
last year and tasks for 1964. Mec. electrif agric 9 no. 1:  
3-9 '64.

MOLDOVAN, Roman; RAUSSER, Vasile

Progress in the development of socialism in the Rumanian People's  
Republic. Vop. ekon. no.8:67-74 Ag '59. (MIRA 12:11)

1. Direktor Instituta ekonomicheskikh issledovaniy Akademii nauk  
Rumynskoy Narodnoy Respubliki (for Moldovan). 2. Glavnyy redaktor  
zhurnala "Probleme ekonomiche" (for Rausser).  
(Rumania--Economic conditions)

MOLDOVAN, Roman

Use of mathematical methods in the planning of national economy. Probleme econ 15 no.3:21-32 Mr '62.

1. Vicepresedinta al Comitetului de Stat al Planificarii, si membru al Colegiului de redactie, "Probleme economice."

MOLOVAN, Roman

Continous improvement of planning, an improtant factor for carrying out the economic policy. Probleme econ 17 no.8: 32-47 Ag '64.

1. Corresponding Member of the Rumanian Academy.

MOLDOVAN, Silvestru; CRACIUN, Ieon, ing.; GUPSA, Victor, ing.; POPEANOS,  
Kircea, ing.

Automatic device for perforating textile tubes of pasteborad.  
Industria usoara 11 no.3:154-155 Nr 64

MOLDOVAN, Silvestru

Flamura rosie, Sibiu; manufacturing a varied range of textile accessories, spare parts, and home consumption goods. Industria uscara 10 no.12:601-605 D'63.

1. Director al fabricii "Flamura rosie"-Sibiu.

Moldovan, T.

MURESAN, T., Conf.; HERSCOVICI, A., dr.; MEDREA, B., dr.; MOLDOVAN, T., dr.;  
POPA, M., dr.

Study of the bacterial flora of bile in epidemic hepatitis.  
Med. int., Bucur. 4 no.8:1111-1115 Dec 56.

1. Lucrare efectuata in Clinica s III-a medicala si Institutul  
de microbiologie - Cluj.

(HEPATITIS, INFECTIOUS

bact. flora of bile)

(BILE, microbiology

bact. flora in infect. hepatitis)

*Moldovan, T.*

ROMANIA

SEROPIAN, E., MD, Cand Med Sci; MOLDOVAN, T., MD.

Section of Allergy Diseases of the "C. Davila" Hospital  
(Serviciul de boli alergice al Spitalului "C. Davila")  
- (for all)

Bucharest, Viata Medicala, No 6, 15 Mar 63, pp 407-418.

"Lethal Allergic Emergencies."

(2)

BULIGESCU, L., dr.; MOLDOVAN, T., candidat in stiinta, dr.

Erythrocytic changes in liver diseases. Med. intern. 15 no.3:279-286  
Mr '63.

1. Lucrare efectuata in Clinica medicala a Spitalului "Dr. G. Davila"  
(director: conf. G. Faurescu).  
(LIVER DISEASES) (ERYTHROCYTES) (ANEMIA)

STOENESCU, A.; CIRONEANU, I.; SIRBU, E.; VISAN, C.; MINASCURTA, C.;  
BRETEANU, E.; MOLDOVAN, T.

Observations on the distribution, incidence, economic importance  
and control of bovine hypodermatosis in the Rumanian People's  
Republic. Wiad. parazyt. 11 no.1:296-304 '65.

RUMANIA

ANDRONESCU, M., MD; ARESTEANU, L., MD; BULIGESCU, I., MD; COLITA, D., MD;  
DEMIRIAN, N., MD; IONESCU, Genoveva, MD; IONIȚA, C., MD; MARINESCU,  
N., MD; MOLDOVAN, T., MD; PAUNESCU, C., Lecturer; SEROPIAN, E., MD;  
STIGLEI, C., MD; SUCIU, D., MD; VASILESCU, G., MD.

Medical Clinic of the "Carol Davila" Hospital" (Clinica medicala  
a Spitalului "Carol Davila") - (for all)

Bucharest, Viata Medicala, No 3, 1 Feb 64, pp 167-181

"Data Concerning Dispensary Supervision and Treatment of Epidemic  
Hepatitis in a Section of the town of Bucharest."

(14)

BULIGESCU, L.dr.; MOLDOVAN, T., dr.; MARTINESCU, N., dr.; IDNITA, C., dr.

Current status of the treatment of chronic hepatitis. Med.  
intern. (Bucur) 16 no.9:1025-1037 S '64.

1. Lu rare efectuata in Clinica medicala a Spitalului "Dr.  
C. Davila" (direktor: conf. S. Ciorepciu).

MOLDOVAN, V.

MOLDOVAN, V. Reaction of mixed cements to the effects of repeated frosts.  
p. 629

No. 10, 1956

INDUSTRIA CONSTRUCTIILOR SI A MATERIALELOR DE CONSTRUCTII  
TECHNOLOGY  
RUMANIA

So: East European Accession, Vol. 6, No. 5, May 1957

MOLDOVAN, V.

RUMANIA/Chemical Technology. Chemical Products and Their I-8  
Application. Ceramics. Glass. Binders. Concrete.

Abs Jour : Ref Zhur-Khimiya, No 2, 1958, 5426.

Author : Moldovan V.

Inst : Not Given

Title : Effect of Calcium Lignosulfonate on Proper-  
ties of Cement Paste.

Orig Pub : Hidrotehnica, 1957, 2, No 1, 4-7

Abstract : Study of the effect of Ca-lignosulfonate (1)  
on sedimentation rate of aqueous suspensions,  
on final volume of precipitate and on setting  
of cement paste of normal consistency. The ex-  
periments were carried out with cement used  
as such and with addition of granulated blast

Card : 1/2

RUMANIA/Chemical Technology. Chemical Products and Their I-8  
Application. Ceramics. Glass. Binders. Concrete.

Abs Jour : Ref Zhur-Khimiya, No 2, 1958, 5426.

Abstract : volume of precipitate. Addition of small amounts of l (up to about 1%) to suspensions of cement, used as such, increases the volume of the precipitate; with larger amounts of l the volume of the precipitate is decreased. Effect of l on setting of cement varies depending on the mineralogical composition of the cement and the nature of additive. Small additions of l to cement, used as such, decrease the length of time before setting occurs. After a well defined minimum, corresponding to a content of about 0.75% of l, an increase is observed in the length of time until setting occurs. In the case of cement mixtures the minimum period preceding setting is observed with 0.8-1.5% l; termination of setting is steadily retarded with increasing content of l and with 0.8% l exceeds the time limit specified by the standard.

Card 3/3

MOLDOVAN, Vasile.

RUMANIA / Chemical Technology. Chemical Products and Their Application. Ceramics. Glass. Binding Materials. Concrete. - Binding Materials. Concrete and Other Silicate Building Materials. H-13d

Abs Jour: Ref Zhur-Khimiya, No 23, 1958, 78493.

Author : Moldovan, Vasile.

Inst : Bucharest Polytechnical Institute.

Title : Effect of Clay on Some Technical Properties of Suspensions, Pastes and Mixes of Cement.

Orig Pub: Bul. Inst. politehn. Bucuresti, 1957, 19, No 1-2, 141-150.

abstract: It was established that clayey additions decreased the stability of cement suspension, increased the volume of the deposit and accelerated the setting

Card 1/2

*MOLDOVAN, V.*

DOMSA, A.; MOLDOVAN, V.; NICOLAE, V.

"Use of lubricants in pressing metal powders."

p. 87 (Ștudii Si Cercetari De Metalurgie) Vol. 2, no. 1/2, 1957  
Bucharest, Rumania

SO: Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 1,  
April 1958

MOLDOVAN, Virgil, ing.

Methods of controlling power parameters in forging machines. Metalurgia  
constr mas 8 no.11:951-955 N '61.

(Forging machinery)

MOLDOVAN, Virgil, ing.

A new method of processing metals by pressure and high speed. Constr mas 15 no.7:523-526 JI'63.

MOLDOVAN, V.; DRAGAN, I.; STAN, L.; DONEA, V.

Some problems concerning the forging of rapid steel  
semimanufactured goods. Bul stiint polit Cluj no.5:261-271 '62.

BEKARENICH, N. E., MOLDOVANOV, A. I.

Sewage Irrigation - Dnepropetrovsk

Irrigated fields of the city of Dnepropetrovsk. Trudy Dnepr. sel'khoz. inst. No. 4, '51.

Monthly List of Russian Accessions, Library of Congress  
June 1953. UNCL.

MOLEDOVANOV, A.I., dotsent

Use of correlation among morphological elements in studying the  
silting of reservoirs. Gidr. i mel. 17 no.5:21-25 My '65.  
(MIRA 18:7)

1. Odesskiy gidrometeorologicheskiy institut.

MOLDOVANOV, A.I.; SLASTIKHIN, V.V.

Results of field studies on the silting process in ponds of Moldavia.  
Okhr. prir. Mold. no. 318-14 '65.

(MIRA 18:10)

YOLDOVANOVA, L.G.

Tashkent medicinal water. Vop.kur.fizioter. i lech.fiz.kul't.  
23 no.2:167-168 Mr-Ap '58. (MIRA 11:6)

1. Iz Uzbekakogo nauchno-issledovatel'skogo instituta kurortologii  
i fizioterapii imeni N.A.Semashko (dir. - dotsent Ya.K.Muminov,  
nauchnyy rukovoditel' - prof. V.M.Faybushevich)  
(TASHKENT--MINERAL WATERS)

MOLDOVANOVA, L. G.

FAYBUSHEVICH, V.M., prof.; MOLDOVANOVA, L.G.

Health resorts of Central Asia. Priroda 47 no.2:75-82 F '58.  
(MIRA 11:2)

1. Uzbekskiy gosudarstvennyy nauchno-issledovatel'skiy institut  
kurortologii i fizioterapii im. N.A. Semashko, Tashkent.  
(Soviet Central Asia--Health resorts, watering places, etc.)

MOLDOVANOVA, L.G.

Some results of a hydrogeological and physico-chemical study of  
Tashkent mineral water. Trudy Uz. gos. nauch.-issl. inst. kur.  
i fizioter no.15:31-38 '59. (MIRA 14:9)  
(TASHKENT--MINERAL WATERS)

MOLDOVANOVA, N.

"Two Types of Photographic Effects in Copper Oxide Photoelements." p.201 (GODISHNIK,  
MATEMATIKA I FIZIKA, Vol. 47, No. 1, 1950/51-1951/52, Sofiya.)

SO: Monthly List of East European Accessions, Vol. 3, No. 3, Library of Congress,  
March 1954, Uncl.

"APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R001135020001-8

APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R001135020001-8"

MOLDOVANOVA, M.; DIMITROVA, S.

Effect of the cooling of the cuprous oxide-copper system on the dissociation energy of current carriers. p. 133. (GODISHNIK. MATEMATIKA I FIZIKA, Vol. 49, No. 1, 1954/55 (published 1956), Sofia, Bulgaria)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, No. 9, Sep 1957. Uncl.

MOLDOVANOVA, Mariya

Effect of oxidation temperature on the electric conductivity of  
cuprous oxide--copper systems. Dokl. AN SSSR 103 no.2:223-225  
Jl'55. (MLRA 8:10)

I. Sofiyskiy gosudarstvennyy universitet, Sofiya, Bolgariya. Pred-  
stavleno akademikom A.F.Ioffe.  
(Copper oxides--Electric properties)

112-57-8-16140

Translation from: Referativnyy zhurnal, Elektrotehnika, 1957, Nr 8, p 12 (USSR)

AUTHOR: Moldovanova, M.

TITLE: Semiconductors (Poluprovodniki)

PERIODICAL: Tekhnika (Bulgarian), 1956, Vol 5, Nr 4, pp 19-21

ABSTRACT: Bibliographic entry.

Card 1/1

MOLDOVANOVA, M.

"Semiconductor triodes."

p.13 (Tekhnika, Vol. 6, no. 9, 1957, Sofia, Bulgaria)

Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 8, August 1958

S/194/62/000/007/075/160  
D295/D308

9.4177  
26.04.62  
AUTHORS:

Moldovanova, M., and Yemelyanenko, O..

TITLE:

Complex investigations of InSb and GaAs at equilibrium carrier concentration

PERIODICAL:

Referativnyy zhurnal. Avtomatika i radioelektronika, no. 7, 1962, abstract 7-4-27 sh (Godishnik Sofiysk. un-t, Fiz.-matem. fak., v. 54, no. 2, 1959-1960 (1961) 1-9 [Bul.; summary in Eng.])

TEXT: Complex investigations of R,  $\sigma$ ,  $\alpha$  and Q in p-type monocrystals of InSb and GaAs have been carried out in temperature ranges of 86 - 424°K for InSb and 86-576°K for GaAs. It has been shown that the Hall coefficient and carrier concentration in p-type InSb in the 86-134°K range are constant and equal to 1700 cm<sup>3</sup>/coulomb and  $4.3 \times 10^{15}$  cm<sup>-3</sup> respectively. It was found that carrier mobility follows the law  $U_p \approx T^{-1.5}$  in the impurity region and the law  $U_p \approx T^{-1.4}$  in the intrinsic conductivity region. At 324°K the p-carrier mobility was 1700 cm<sup>2</sup>/V sec. and the n-carrier mobility 20  
Card 1/2

Complex investigations of InSb ...

S/194/62/000/007/075/160  
D295/D308

$5.1 \times 10^4 \text{ cm}^2/\text{V sec}$ . The width of the forbidden band at absolute zero,  $\Delta E_0$ , was found to be equal to 0.268 eV. The effective mass of the p and n-carriers corresponded to 0.174 and 0.45  $m_0$  (allowing for the fact that the electron gas above room temperature is partially degenerate). In p-type GaAs, in the impurity region 86-200°K the carrier concentration was equal to  $4.5 \times 10^{18} \text{ cm}^{-3}$ , and the effective mass was  $m_p \approx 0.5 m_0$ . 16 references. [Abstracter's note: Complete translation.]

Card 2/2

40321  
S/194/62/000/006/094/232  
D288/D308

147700

AUTHOR:

Moldovanova, M.

TITLE:

Some properties of balanced current carriers in  
p-type silicon

PERIODICAL:

Referativnyy zhurnal. Avtomatika i radioelektronika, -  
no. 6, 1962, abstract 6-4-7 e (Godishnik Sofyisk. un-t  
Fiz.-metem. fak., 1959-1960 (1961), 54, no. 2, 113-119)

TEXT: Electric conductivity, Hall coefficient, diffusion thermo-  
e.m.f. and transversal Nernst-Ettinghausen effect are studied in  
the 115 - 440°K range. p-type Si mono-crystals with a hole concen-  
tration of  $10^{15} \text{ cm}^{-3}$  are investigated. It is shown that in the zone  
of constant Hall coeff. (240 - 400°K) the temperature dependence of  
mobility is expressed by  $u_p = u_0 [\exp(\theta/T) - 1]$ , where  $u_0$  - mobility  
independent of temperature and  $\theta$  - Debye temperature for acoustic  
vibration of the Si lattice. The coefficient of Nernst-Ettinghausen  
transversal thermomagnetic effect - had a large positive value. Its  
rapid decrease with rising temperature is explained by phonon drag.  
Card 1/2

Some properties of balanced current ... S/194/62/000/006/094/232  
D288/D308

The temperature dependence can be accurately expressed by  $Q = Q_0$   
[ $\exp(\theta'/T) - 1$ ], where  $Q_0$  is independent of temperature, and  $\theta'$  -  
Debye temperature for the optical branch of the Si lattice vibra-  
tion. 7 references. [Abstracter's note: Complete translation.]

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Card 2/2